



New Jersey Career Accelerator Internship Grant Program



Technology

Summer 2026 Internship Catalog

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Technology

AbilityHUB Inc, Princeton, NJ

UI/UX Design Specialist, Remote, **1** funded position(s)

We are seeking a creative and detail-oriented UI/UX Design Intern to help refine and enhance the design and usability of the AbilityHUB website, mobile app and desktop application. In this role, you will focus on improving workflows, user experience, and the overall look and feel of our platforms.

- Collaborate with the Product and Development teams to improve the user interface (UI) and overall user experience (UX) for website, mobile and desktop platforms.
- Develop and refine user workflows, ensuring they are intuitive and user-friendly.
- Assist in creating wireframes, prototypes, and high-fidelity designs for new features and improvements.
- Conduct user research and gather feedback to inform design decisions.
- Ensure a consistent and visually appealing design language across all platforms.
- Work with developers to implement design solutions and test for usability.

Desired Majors: Arts & Design;Math & Physical Sciences ;Social Sciences ;Open to all Majors

How to apply: resumes@abilityhub.io

Required Documents: Resume;Cover Letter ;Transcripts (used to verify applicant is a student at a NJ IHE)

Technology

AbilityHUB Inc., Princeton, NJ

Marketing Intern, Remote, 1 funded position(s)

We are seeking a curious and motivated Marketing Intern to support our go-to-market efforts. This role is learning-focused and mentored, making it ideal for a college student interested in marketing, strategy, and data-driven decision making. You will research markets, understand customer segments, and help shape outreach strategies across email and social media. Prior professional marketing experience is a positive.

- Learn how early-stage SaaS companies think about go-to-market strategy.
- Assist with market and competitive research.
- Help gather and organize data on customer segments and target demographics.
- Support the development of email and social media outreach strategies.
- Assist in identifying effective platforms and content themes.
- Help review basic performance metrics with guidance.
- Document findings and recommendations clearly.
- Collaborate with Marketing, Sales, and Product teams.

Desired Majors: Business, Entrepreneurship & Human Resources; Communications; Open to all Majors ; Social Sciences

How to apply: resumes@abilityHUB.io

Required Documents: Resume; Cover Letter ; Transcripts (used to verify applicant is a student at a NJ IHE)

Technology

AeroDefense, Oceanport, NJ

HubSpot Operations Intern (AI & Customer Experience), Remote, 1 funded position(s)

We are seeking a tech-savvy and organized intern to help us modernize our customer support infrastructure. In this role, you won't just be answering tickets-you will be building the "brain" that powers our future support system.

We are implementing HubSpot's AI features (Service Hub) to provide instant support to our clients. Your primary project will be to aggregate our technical documentation, FAQs, and support protocols into a centralized HubSpot Knowledge Base. This foundation will serve as the source material for our AI Agents and Chatbots.

Intern Cohort Overview:

The intern will participate in a structured remote onboarding program designed to provide a deep understanding of our products, customers, and support operations. The program begins with a remote kick-off session led by a successful graduate of this internship program, Julie Pavlova, who began as a UI/UX intern and is now our Product Manager, providing a full company overview, product training, a live system walkthrough, and onboarding across our core platforms, including HubSpot Service Hub.

Throughout the program, interns will receive regular project feedback, one-on-one mentorship, and exposure to how their work directly supports customer success, product operations, and business efficiency.

What You Will Gain

HubSpot Proficiency: Gain deep experience in HubSpot Service Hub, one of the most in-demand CRM platforms in the tech industry.

Applied AI: Learn how Large Language Models (LLMs) are applied in a real-world business context to solve operational problems.

Technical Writing: Hone your ability to synthesize complex technical data into user-friendly documentation.

Product Operations: Understand the lifecycle of customer success and support infrastructure.

·**Knowledge Base Architecture:** Audit existing support materials (PDFs, technical manuals, past email threads) and structure them into a logical hierarchy within HubSpot.

·**Content Creation & Migration:** Draft, edit, and format Help Center articles. You will translate complex technical concepts regarding drone detection into clear, search-friendly, and AI-readable articles.

·**AI Implementation:** Configure the HubSpot AI Agent to utilize the Knowledge Base as its primary data source.

·**Testing & Optimization:** "Train" the AI by running simulations, asking it questions, and refining the underlying articles to ensure the AI provides accurate, helpful answers.

·**Reporting:** Track the effectiveness of the Knowledge Base (views, helpfulness ratings) and the deflection rate of the AI agent.

Desired Experience

·Current student or recent graduate in Business, Communications, Computer Science, Information Systems, or a related field.

·Strong Writing Skills: Ability to write clear, concise, and grammatically correct English. Experience with technical writing is a plus.

·Tech-Savvy: Comfortable learning new software quickly. Familiarity with HubSpot, Zendesk, or similar CRMs is a bonus but not required.

·Structured Thinker: You enjoy organizing messy information into clean, logical categories.

·Detail-Oriented: You care about formatting, tagging, and consistency.

Desired Majors: Business, Entrepreneurship & Human Resources;Communications;Computer Science, Information Systems & Technology;Technologies & Technicians;Engineering;Math & Physical Sciences

How to apply: taylor.sinatra@aerodefense.tech

Required Documents: Resume

Technology

AeroDefense, Oceanport, NJ

SEO & Paid Media Intern, Remote, 1 funded position(s)

We are seeking a motivated and detail-oriented SEO & Paid Media Intern to support our digital marketing initiatives. This role is ideal for upper-level undergraduate students (juniors or seniors), master's students, or recent graduates who already have a foundational understanding of digital marketing and are looking to apply and expand their skills in a real-world environment.

You will work closely with our marketing team to help improve organic visibility, manage PPC campaigns, and optimize digital content to drive traffic, engagement, and lead generation. The skills developed in this role—data analysis, keyword research, campaign optimization, content performance evaluation, and ROI-driven decision-making—are highly transferable and in demand across nearly every industry, including technology, e-commerce, healthcare, finance, and professional services.

Intern Cohort Overview:

The intern will participate in a remote kick-off session led by a successful graduate of this program, Julie Pavlova, who began as a UI/UX intern and is now our Product Manager. This session includes a full company overview, product training, a live demonstration, and systems onboarding.

Interns will also complete remote, skills-based online training, receive individual project reviews, and gain exposure to how their work connects with cross-functional teams. This structure helps interns understand not only what they are working on, but why it matters—and how these foundational digital marketing skills translate across roles, industries, and long-term career paths.

What You'll Gain:

Hands-on experience managing and optimizing SEO and paid media campaigns with real performance impact

Practical exposure to analytics platforms, keyword research tools, and paid advertising dashboards

Experience turning data into insights and recommendations used by a professional marketing team

Portfolio-ready projects and feedback from experienced marketers

Transferable, in-demand skills applicable to roles in marketing, analytics, product, growth, and beyond

SEO Support

- Conduct keyword research and analyze keyword trends
- Optimize website content for SEO (titles, meta descriptions, headers)
- Help improve technical SEO elements (site speed, indexing, crawlability)
- Assist with on-page and off-page optimization strategies
- Monitor SEO performance using Google Search Console, Google Analytics, and SEMrush/Ahrefs

Paid Media Support

- Monitoring, and optimizing PPC campaigns (Google Ads, LinkedIn Ads, Meta)
- Perform competitive analysis and identify opportunities for campaign improvements

- Help write ad copy and test variations
- Prepare weekly performance summaries and insights for optimization

Reporting & Analytics

- Track and report on campaign performance
- Analyze data to identify patterns, insights, and recommendations
- Support A/B testing initiatives

Desired Majors: Business, Entrepreneurship & Human Resources; Communications; Computer Science, Information Systems & Technology

How to apply: lexi.rinaudo@aerodefense.tech

Required Documents: Resume

Technology

AeroDefense, Oceanport, NJ

Digital Product Designer Intern, Remote, 1 funded position(s)

We are seeking a motivated Digital Product Designer Intern to support the ongoing design and evolution of AirWarden® Essentials, our core SaaS platform for detecting, tracking, and analyzing unauthorized drone activity.

This role is ideal for upper-level undergraduate students (juniors or seniors), master's students, or recent graduates with foundational experience in UX/UI or product design who want hands-on exposure to designing complex, real-world software used in security, aviation, and critical infrastructure environments.

The intern will work closely with product management, engineering, and design to help shape user experiences across dashboards, alerts, workflows, and data visualizations. This includes designing and iterating in Figma, contributing to the design system, building interactive prototypes, and supporting real product initiatives from discovery through delivery. Experience with Webflow or other no-code tools is a plus, but is not a core requirement for the role. The role balances user-centered design, visual clarity, and usability with real technical and operational constraints.

The skills developed in this role—product thinking, UX research support, design systems, data-informed iteration, and cross-functional collaboration—are highly transferable and applicable to careers in product design, UX/UI design, SaaS design, and technology-focused roles.

Intern Cohort Overview:

The intern will participate in a remote kick-off session led by a successful graduate of this program, Julie Pavlova, who began as a UI/UX intern and is now our Product Manager.

This session includes a company overview, product and user context, walkthroughs of the AirWarden® Essentials platform and design system, and onboarding to tools and workflows. Interns receive project-based guidance, structured feedback, and exposure to how design decisions connect to product strategy, engineering constraints, and real customer use cases. This structure helps interns understand not only what they are designing, but why it matters in a mission-critical environment.

What You'll Gain:

Hands-on experience designing interfaces and workflows for a real, production SaaS product

Experience working with complex data, maps, and operational dashboards

Practical exposure to design systems, component libraries, and scalable UI patterns

Experience creating low- and high-fidelity prototypes to support product decisions

Exposure to end-to-end product workflows: discovery → design → iteration → delivery

Portfolio-ready work on a high-impact product used by real customers

Experience collaborating with product managers and engineers in an agile environment

Transferable skills applicable to roles in product design, UX/UI, SaaS design, and technology startups

Product Design (Figma)

·Design and iterate on UI components, screens, and workflows in Figma

·Apply and extend existing design systems, styles, and component libraries

- Design new product features, views, or enhancements based on product priorities
- Create wireframes, mockups, and visual assets to support product development
- Collaborate with product and engineering to refine designs based on feedback and constraints

UX & Interaction Design

- Help translate complex technical concepts into clear, intuitive user experiences
- Support the design of dashboards, alerts, tables, and data visualizations
- Create interactive prototypes to explore ideas, validate flows, and support discussions
- Assist with usability improvements and UX refinements based on feedback

Design Systems & Consistency

- Contribute to maintaining and evolving the product design system
- Help document reusable components, patterns, and interaction guidelines
- Ensure consistency across the product as new features are introduced

Collaboration & Iteration

- Collaborate closely with product managers, engineers, and designers
- Participate in design reviews, feedback sessions, and iterative refinement
- Support roadmap initiatives by delivering design assets aligned with priorities

Desired Experience

- Familiarity with Figma for UI design and prototyping
- Basic understanding of UX principles and interaction design
- Coursework, portfolio projects, or personal projects demonstrating design thinking
- Professional experience is not required
- Nice to have: Exposure to Webflow for translating designs into live interfaces

You're a Good Fit If

- You have experience designing in Figma (coursework, projects, or portfolio work)
- You enjoy solving complex problems and turning them into simple interfaces
- You're curious how real products evolve over time-not just polished mockups
- You care about clarity, usability, and visual consistency
- You're comfortable receiving feedback and iterating on your work
- You're interested in technology, SaaS products, or emerging domains like drones or aviation
- You've experimented with Webflow or similar tools and are curious about how designs translate into real, shipped interfaces

Desired Majors: Arts & Design;Business, Entrepreneurship & Human Resources;Computer Science, Information Systems & Technology;General Studies;Technologies & Technicians

How to apply: julie.pavlova@aerodefense.tech

Required Documents: Resume

Technology

AeroDefense, Oceanport, NJ

HubSpot Sales Operations Intern (AI & Sales Insights), Remote, 1 funded position(s)

We are seeking a tech-savvy and organized intern to help us modernize our sales insights to drive strategy. In this role, you will help define what data points need to be tracked and implement AI tools to gain valuable insights into the sales process and trends for winning deals.

We will implement LLMs such as Hubspot's Breeze and Google's Gemini to help correlate currently unknown features of our deals to winning the deal. These metrics will help us identify where to focus our efforts and drive the sales strategy. This project will give you exposure to the sales cycle, data driven analytics, and interactions with executive leadership to present the findings and offer insights.

Intern Cohort Overview:

The intern will participate in a structured remote onboarding program designed to provide a deep understanding of our products, customers, and support operations. The program begins with a remote kick-off session led by a successful graduate of this internship program, Julie Pavlova, who began as a UI/UX intern and is now our Product Manager, providing a full company overview, product training, a live system walkthrough, and onboarding across our core platforms, including HubSpot.

Throughout the program, interns will receive regular project feedback, one-on-one mentorship, and exposure to how their work directly supports sales success and business efficiency.

What You Will Gain

HubSpot Proficiency: Gain deep experience in HubSpot Sales Hub, one of the most in-demand CRM platforms in the tech industry.

Applied AI: Learn how Large Language Models (LLMs) are applied in a real-world business context to solve operational problems.

Data Entry: Hone your ability to clean, maintain and define large data sets used for training AI.

Product Operations: Understand the lifecycle of the sales process.

- **CRM Data Points:** Audit existing CRM Data within Hubspot. Define key data points which should be tracked and help clean existing data.
- **Metric Definitions:** Define key metrics important for the sales team to utilize for maximizing sales efficiency.
- **AI Implementation:** Configure the HubSpot's AI and/or Google's Gemini to interact with the CRM data for ease of use by leadership.
- **Documentation and Training:** Create internal documentation and training for leadership to use the tools you designed.
- **Reporting:** Create a method to track the effectiveness of the AI insights and the impacts on the business.

Desired Experience

- **Current student or recent graduate** in Business, Communications, Computer Science, Information Systems, or a related field.
- **Sales Skills:** Existing experience with general sales processes is desired.

- Strong Writing Skills: Ability to write clear, concise, and grammatically correct English.
- Tech-Savvy: Comfortable learning new software quickly. Familiarity with HubSpot, Zendesk, or similar CRMs is a bonus but not required.
- Structured Thinker: You enjoy organizing messy information into clean, logical categories.
- Detail-Oriented: You care about formatting, tagging, and consistency.

Desired Majors: Business, Entrepreneurship & Human Resources; Communications; Computer Science, Information Systems & Technology; Engineering; Math & Physical Sciences ; Technologies & Technicians

How to apply: taylor.sinatra@aerodefense.tech

Required Documents: Resume

Technology

AeroDefense, Oceanport, NJ

Full-Stack Software Engineering Intern, Remote, 1 funded position(s)

We are seeking a motivated Full-Stack Software Engineering Intern to support the development and evolution of AeroDefense's core technology platforms. This role is ideal for upper-level undergraduate students (juniors or seniors), master's students, or recent graduates who have foundational experience in modern web development and are eager to apply their skills in a real-world, production environment.

The intern will work closely with experienced engineers and product stakeholders to build, test, and maintain full-stack features across our web applications and backend services. You will contribute to user-facing interfaces, APIs, and supporting infrastructure while learning how scalable, secure software systems are designed, deployed, and maintained.

Our engineering stack includes TypeScript, ReactJS, NestJS, MongoDB, Docker, AWS, Python, Kafka, and end-to-end testing frameworks. This internship provides hands-on exposure to modern engineering practices, collaborative workflows, and production-grade systems used in a mission-critical technology environment.

Intern Cohort Overview

The intern will participate in a remote kick-off session led by a successful graduate of this program, Julie Pavlova, who began as a UI/UX intern and is now our Product Manager.

This session includes a company overview, product and user context, walkthroughs of the AirWarden® Essentials platform and design system, and onboarding to tools and workflows. Interns receive project-based guidance, structured feedback, and exposure to how design decisions connect to product strategy, engineering constraints, and real customer use cases. This structure helps interns understand not only what they are designing, but why it matters in a mission-critical environment.

Interns receive structured project guidance, regular feedback, and exposure to how engineering decisions connect to product requirements, system performance, and real customer needs. This structure helps interns understand not only what they are building, but why it matters—and how these skills translate to long-term software engineering careers.

What You'll Gain

Hands-on experience building and maintaining full-stack features in a production environment

Practical exposure to modern TypeScript-based frontend and backend frameworks

Experience working with APIs, databases, and event-driven systems

Exposure to containerization, testing strategies, and engineering best practices

Portfolio-ready contributions to real software used by customers

Transferable, in-demand skills applicable to software engineering, backend development, frontend development, and platform roles

Frontend Development (React & TypeScript)

- Build and maintain user-facing features using ReactJS and TypeScript
- Translate product and design requirements into clean, reusable UI components
- Collaborate with designers and product managers to implement intuitive user experiences

- Support performance, accessibility, and maintainability best practices

Backend Development (NestJS & APIs)

- Assist in building and maintaining backend services using NestJS and TypeScript
- Implement and consume RESTful APIs
- Work with MongoDB to support data modeling and persistence
- Support authentication, authorization, and basic security best practices

Systems & Infrastructure

- Assist with containerized development workflows using Docker
- Support event-driven or asynchronous workflows involving Kafka
- Collaborate on backend services written in Python where applicable

Testing & Quality

- Write and maintain unit tests and end-to-end (E2E) tests
- Assist with debugging, issue resolution, and QA validation
- Learn how testing fits into CI/CD and production readiness

Collaboration & Learning

- Collaborate with engineers through code reviews, standups, and planning sessions
- Learn how features move from requirements → development → testing → deployment
- Document learnings, components, or workflows to support team knowledge sharing

Desired Experience

- Foundational experience with TypeScript and JavaScript
- Familiarity with ReactJS for frontend development
- Exposure to backend frameworks (NestJS, Express, or similar)
- Basic understanding of databases (MongoDB or similar)
- Coursework, personal projects, or internships demonstrating full-stack development
- Professional experience is not required

You're a Good Fit If

- You enjoy working across both frontend and backend systems
- You like understanding how things work end-to-end, not just isolated features
- You're curious about scalable systems, APIs, and real-world engineering challenges
- You're comfortable receiving feedback and iterating on your work
- You're excited to learn modern development tools, workflows, and best practices

Desired Majors: Computer Science, Information Systems & Technology;Engineering;Math & Physical Sciences ;Technologies & Technicians;Open to all Majors

How to apply: julie.pavlova@aerodefense.tech

Required Documents: Resume

Technology

Fello, Butler, NJ

Engineering Internship, In-person, **1** funded position(s)

The Engineering Team builds the technology that keeps Fello running. We're the group behind the systems that connect every part of the business — from inventory and orders to client tools and reporting. Right now, we're building our next-generation internal platform, IMS, and relaunching our website as part of a company-wide tech refresh. It's an exciting time to join the team — a mix of big ideas, problem-solving, and hands-on learning. Every day brings new challenges, new tools to test, and new ways to make Fello faster, smarter, and more connected.

What you will do:

Assist in the development and maintenance of internal software tools and web applications

Support the creation of integrations with third-party platforms such as HubSpot, QuickBooks, Google Analytics, and shipping carriers

Help test and troubleshoot applications to ensure quality and performance

Contribute to improving deployment pipelines and cloud infrastructure

Write basic queries and work with databases to support internal reporting needs

Collaborate with engineers, operations and other departments to support active projects

Participate in code reviews and learn industry best practices for software development.

Required Skills:

Exposure to web development and software engineering

Basic knowledge of one or more programming languages (PHP, JavaScript, Python, etc.)

Familiarity with HTML/CSS and web frameworks (React, Vue, or Laravel a plus)

Strong problem-solving and analytical skills

Excellent communication and collaboration abilities

Ability to work both independently and in a team environment

Attention to detail and commitment to writing clean, maintainable code

Education Or Experience with:

Pursuing or recently completed a degree in Engineering

Coursework or Bootcamp experience with databases (MySQL preferred) and cloud platforms (Google Cloud, AWS, or similar) is a plus

Desired Majors: Engineering

How to apply: [Summer 2026 Engineering Internship at Fello](#)

Required Documents: Resume; Transcripts (used to verify applicant is a student at a NJ IHE)

Technology

Portable Diagnostic Systems, Newark, NJ

Mechanical Engineering, In-person, 4 funded position(s)

We are seeking a highly motivated Summer Intern to support the development of lab-on-a-chip devices and single-use consumables for point-of-care and laboratory diagnostic applications. This internship provides hands-on experience in microfluidic design, prototyping, and experimental validation within a multidisciplinary R&D environment spanning engineering, chemistry, and analytical science.

The intern will contribute directly to active development programs and gain exposure to the full product lifecycle—from concept and design through fabrication, testing, and documentation.

Key Responsibilities

- Assist in the design and prototyping of lab-on-a-chip devices and disposable consumables
- Support fabrication activities, including microfluidic assembly, bonding, and component integration
- Conduct bench-top experiments to evaluate fluidic performance, robustness, and usability
- Collect, analyze, and document experimental data using established protocols
- Collaborate with engineers and scientists to troubleshoot design and process challenges
- Maintain accurate laboratory records and contribute to technical reports and design documentation
- Support continuous improvement of device designs, materials, and manufacturing workflows

Required Qualifications

- Current undergraduate or graduate student in Engineering, Chemistry, Materials Science, Biomedical Engineering, Mechanical Engineering, or a related field
- Strong interest in microfluidics, diagnostics, or medical device development
- Hands-on laboratory experience (academic or industrial)
- Ability to follow experimental protocols and maintain detailed documentation
- Strong analytical, organizational, and problem-solving skills
- Effective written and verbal communication skills

Preferred Qualifications

- Experience with microfluidic systems, lab-on-a-chip platforms, or point-of-care diagnostics
- Familiarity with CAD software, rapid prototyping, or basic manufacturing techniques
- Experience working with polymers, adhesives, or surface treatments
- Coursework or experience in analytical chemistry, bioengineering, or device testing

What You Will Gain

- Practical experience developing real-world diagnostic devices and consumables
- Mentorship from experienced engineers and scientists
- Exposure to regulated product development and design controls
- Insight into translational research and commercialization of lab technologies
- A meaningful technical project suitable for future academic or industry pursuits

Desired Majors: Engineering;Life Science ;Technologies & Technicians

How to apply: Interested candidates should submit their resume and a brief cover letter detailing their experience and interest in the position to jobs@portabledx.com.

Required Documents: Resume;Cover Letter

Technology

Quecon, Inc., Egg Harbor Township, NJ

Proposal - Technical Writer, In-person, 1 funded position(s)

The Proposal – Technical Writer Intern will work with Corporate and Contract Staff on documentation development by helping to create, review and revise user guides, and program documentation

Duties/Responsibilities:

- Partners with the Corporate and Contract Staff to develop documentation
- Assist with creation, revision and maintenance of user guides, technical manuals, proposals
- Work with SME (Subject Matter Experts) to gather, verify & document technical information
- Proofread, format, and structure documentation to adhere to standards within guidelines
- Support the maintenance of documentation repositories
- Analyze existing documentation to improve user experience

Required Skills/Abilities:

- Excellent verbal and written communication skills
- Excellent grammar, organizational skills and attention to detail
- Eagerness to learn new software, technologies and technical concepts quickly
- Ability to prioritize multiple tasks
- Ability to act with integrity, professionalism, and confidentiality
- Proficient with Microsoft Office Suite or related software

Qualifications:

- Background in Technical Writing, Communications, English, IT, or a related field
- Previous courses in Technical Writing, Communications, English, IT or related field

Desired Majors: Communications;Engineering;General Studies;Civics & Government;Business, Entrepreneurship & Human Resources

How to apply: dcoyle@quecon.com

Required Documents: Resume;Cover Letter

Technology

SNOChip Inc., Princeton, NJ

Test Engineer, In-person, 1 funded position(s)

This position focuses on hands-on optical bench testing to characterize meta-optics and other optical components for imaging and sensing applications. The role involves setting up, aligning, and troubleshooting optical and opto-mechanical systems, operating laboratory instrumentation to collect data, analyzing measurement results, and documenting test procedures and findings in clear, well-organized reports.

- Perform hands-on optical bench testing to characterize meta-optics and other optical components for imaging and sensing applications.
- Set up, align, and troubleshoot optical and opto-mechanical systems, including lenses, metalenses, cameras, and light sources.
- Operate laboratory instrumentation (e.g., cameras, power meters, spectrometers) to collect experimental data.
- Analyze measurement data to evaluate optical performance and identify sources of error or variation.
- Maintain organized lab notebooks and assist with documenting test procedures and results.
- Prepare clear and concise test reports summarizing experimental setups, methods, and findings.

Desired Majors: Computer Science, Information Systems & Technology;Engineering;Math & Physical Sciences ;

How to apply: qingwang@snochip.com

Required Documents: Resume;Cover Letter ;Transcripts (used to verify applicant is a student at a NJ IHE) ;

Technology

SNOChip Inc., Princeton, NJ

Software Engineer, Hybrid, 1 funded position(s)

The position involves design, development, test, and debug software in Python and/or C++. Responsibilities include building custom GUIs for camera control and data acquisition, integrating software with experimental setups, assisting with data analysis algorithms, and collaborating closely with researchers and engineers to enhance functionality, usability, and documentation.

- Design, develop, test, and debug software in Python and/or C++.
- Build and enhance custom graphical user interfaces (GUIs) for controlling cameras and collecting imaging data in a laboratory environment.
- Assist in implementing data analysis algorithms used for optical characterization of metalenses.
- Work closely with research staff to integrate software with experimental imaging setups.
- Create, maintain, and update technical documentation to track code changes, features, and revisions.
- Collaborate with researchers and engineers to refine software requirements and improve usability.

Desired Majors: Engineering;Computer Science, Information Systems & Technology;Math & Physical Sciences ;

How to apply: qingwang@snochip.com

Required Documents: Resume;Cover Letter ;Transcripts (used to verify applicant is a student at a NJ IHE) ;

Technology

Solutions³ LLC, Wyckoff, NJ

Cybersecurity Workforce Development Internship, Remote, **10** funded position(s)

The Cybersecurity Workforce Development Internship is the first phase of Solutions³ LLCs structured, multi-phase workforce development program. This internship is designed to provide participants with foundational, hands-on exposure to real-world cybersecurity operations through a Red Team, Blue Team, and Purple Team model.

Interns rotate through offensive security, defensive security, and integration/GRC-focused activities to gain a comprehensive understanding of how modern cybersecurity teams operate collaboratively. The program combines technical training, applied projects, professional development, and mentorship, preparing interns for advancement into the apprenticeship phase and long-term cybersecurity careers.

Throughout the program, interns participate in guided exercises, vendor-led spotlights, and team-based projects that emphasize cybersecurity awareness, ethical practices, and practical skill development. Each pathway culminates in a hands-on project, reinforcing learned concepts and enabling interns to demonstrate their capabilities.

At the conclusion of the internship, interns present their work to an audience of government and industry leaders, academic partners, and potential employers, providing a meaningful opportunity to showcase achievements and expand professional networks.

Red Team – Offensive Security:

- Introduction to threat modeling and adversarial thinking
- Vulnerability identification and attack simulation concepts
- Ethical hacking principles and attacker methodologies

Blue Team – Defensive Security:

- Security monitoring and alert analysis fundamentals
- Incident response concepts and defensive controls
- Threat detection and basic digital forensics

Purple Team – Integration, GRC, and Optimization:

- Risk management and governance fundamentals
- Mapping technical findings to cybersecurity frameworks (e.g., NIST)
- Documentation, metrics, and executive communication

- Participate in rotational training across Red Team, Blue Team, and Purple Team cybersecurity functions
- Complete hands-on projects aligned to each team pathway, applying learned concepts to practical scenarios
- Collaborate with fellow interns, mentors, and team leads on cybersecurity awareness initiatives and exercises

- Engage in mentorship sessions with cybersecurity professionals focused on technical growth and career development
- Prepare professional documentation, reports, and presentations reflecting project outcome
- Deliver final presentations to government, industry, and academic stakeholders
- Attend educational workshops, certification training sessions, and vendor-led learning experiences
- Demonstrate professionalism, accountability, and consistent engagement throughout the program
- Maintain weekly workload expectations and meet defined timelines.

Desired Majors: Computer Science, Information Systems & Technology;

How to apply: [Cybersecurity Workforce Development Internship - Solutions³ LLC - Career Page](#)

Required Documents: Resume; Transcripts (used to verify applicant is a student at a NJ IHE) ;

Technology

Twenty20 Systems LLC, Monroe Township, NJ

Data Science Intern, Remote, 1 funded position(s)

Job Description: Data Science Intern

Position: Data Science Intern

Location: New Jersey

Job Type: Internship (Part-Time 20 hrs/week)

Duration: 10 weeks [June 2026-August 2026]

About Us:

Twenty20 Systems is focused on building data-driven and AI-enabled solutions that help businesses make smarter decisions. As a Data Science Intern, you will work with real business data to analyze trends, build models, and support data-driven decision-making. This role offers hands-on exposure to practical data science workflows in a collaborative environment.

Key Responsibilities:

Assist with data cleaning, preprocessing, and exploratory data analysis

Support development and evaluation of machine learning models

Create visualizations and summaries to communicate insights

Work closely with data and AI teams on ongoing projects

Document analysis, results, and learnings

Qualifications:

Currently pursuing a degree in Data Science, Computer Science, Statistics, or a related field

Working knowledge of Python and data analysis libraries (Pandas, NumPy, Scikit-learn)

Basic understanding of statistics and data modeling

Exposure to SQL or data visualization tools is a plus

Strong analytical and problem-solving skills

What You'll Gain:

Hands-on experience with real-world datasets and analytics problems

Exposure to end-to-end data science workflows

Mentorship from experienced data and AI professionals

Opportunity to apply academic learning to practical business use cases

Desired Majors: Computer Science, Information Systems & Technology; Technologies & Technicians;

How to apply: careers@twenty20sys.com

Required Documents: Resume;

Technology

Twenty20 Systems LLC, Monroe Township, NJ

AI Engineer Intern, Remote, 2 funded position(s)

Job Description: AI Engineer Intern

Position: AI Engineer Intern

Location: New Jersey

Job Type: Internship (Part-Time 20 hrs/week)

Duration: 10 weeks [June 2026-August 2026]

About Us:

Twenty20 Systems is at the forefront of leveraging artificial intelligence to drive innovation and deliver transformative solutions. As an AI Engineer Intern, you will contribute to developing state-of-the-art AI models and gain hands-on experience working with advanced technologies.

Key Responsibilities:

Collaborate with the AI team to design, implement, and test machine learning models and algorithms.

Work on data preprocessing, feature selection, and model optimization tasks.

Assist in deploying machine learning solutions into production environments.

Conduct research on emerging trends and technologies in AI/ML to contribute to ongoing innovation.

Document project progress, findings, and results for internal and external presentations.

Qualifications:

Currently pursuing a degree in Computer Science, Artificial Intelligence, Data Science, or a related field is a must.

Strong programming skills in languages such as Python, R, or Java.

Familiarity with AI/ML frameworks like TensorFlow, PyTorch, or Scikit-learn and LLM models such as GPT, Claude, Llama

Understanding of statistics, data structures, and algorithms.

Enthusiasm for learning and working on challenging AI problems.

What You'll Gain:

Hands-on experience with real-world AI/ML projects.

Opportunity to work with cutting-edge tools and technologies.

Mentorship from seasoned AI professionals.

Exposure to a collaborative and innovative work environment.

Desired Majors: Technologies & Technicians; Computer Science, Information Systems & Technology; Business, Entrepreneurship & Human Resources;

How to apply: careers@twenty20sys.com

Required Documents: Resume;